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AMENDMENTS TO THE CLAIMS

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- 1. (Currently Amended) <u>A composition</u> An additive suitable for use in the manufacture of a <u>polyurethane</u> polymer foam, the additive comprising:
 - (a) a polyol,
- (b) a benzotrlazole, the benzotrlazole being present in the <u>composition</u> additive in an amount of about 0.5 to about 6.0 parts per hundred parts of the polyol (php),
- (c) a lactone-based antioxidant having a 3-phenylbenzofuran-2-one structure, the lactone-based antioxidant being present in the <u>composition</u> additive in an amount of about 0.05 to about 1.0 php, and
 - (d) a fourth component selected from the group consisting of:
 - (i) about 0.05 to about 1.0 php of a secondary phenylamine,
 - (ii) about 0.05 to about 2.0 php of a hindered phenol, and
 - (iii) a combination of about 0.05 to about 1.0 php of a secondary phenylamine and about 0.05 to about 2.0 php of a hindered phenol, and (e) an isocyanate.
- 2. (Currently Amended) The <u>composition</u> additive of Claim 1 wherein said fourth component is a secondary phenylamine.
 - 3-16. (Canceled)
- 17. (Currently Amended) The <u>composition</u> additive of Claim 1 wherein said fourth component is a hindered phenol.
- 18. (Currently Amended) The <u>composition</u> additive of claim 1, wherein said fourth component is a combination of a secondary phenylamine and a hindered phenol.
- 19. (Currently Amended) The <u>composition</u> additive of claim 1, wherein said additive comprises:
 - (a) a polyol,
 - (b) about 0.8 to about 2.0 php of a benzotriazole,

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- (c) about 0.1 to about 0.7 php of a lactone-based antioxidant having a 3-phenylbenzofuran-2-one structure,
 - (d) about 0.1 to about 0.5 php of a secondary phenylamine, and
 - (e) about 0.1 to about 1.5 php of a hindered phenol, and
 - (f) an isocyanate.
- 20. (Currently Amended) The <u>composition</u> additive of claim 19, wherein said additive comprises:
 - (a) a polyol,
 - (b) about 0.8 to about 2.0 php of a benzotriazole,
- (c) about 0.15 to about 0.3 php of a lactone-based antioxidant having a 3-phenylbenzofuran-2-one structure,
 - (d) about 0.1 to about 0.5 php of a secondary phenylamine, and
 - (e) about 0.25 to about 0.65 php of a hindered phenol, and
 - (f) an isocyanate.
- 21. (Currently Amended) The <u>composition</u> additive of claim 1 wherein said benzotriazole conforms to the structure of Formula (I)

(I) .

$$R_1$$
 OH R_2 R_3

wherein R_1 , R_2 , and R_3 are individually selected from the group consisting of hydrogen, groups conforming to the formula $C_xH_yO_z$, where x, y, and z are from 0 to 30, and halogens.

22. (Currently Amended) The <u>composition</u> additive of claim 19 wherein said benzotriazole conforms to the structure of Formula (I)

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(1)

$$R_1$$
 OH R_2 R_3

wherein R_1 , R_2 , and R_3 are individually selected from the group consisting of hydrogen, groups conforming to the formula $C_xH_yO_z$, where x, y, and z are from 0 to 30, and halogens.

23. (Currently Amended) The <u>composition</u> additive of claim 20 wherein said benzotriazole conforms to the structure of Formula (I)

(l)

$$R_1$$
 OH R_2 R_3

wherein R_1 , R_2 , and R_3 are individually selected from the group consisting of hydrogen, groups conforming to the formula $C_xH_yO_z$, where x, y, and z are from 0 to 30, and halogens.

24. (Currently Amended) The <u>composition</u> additive of claim 1 wherein said lactone-based antioxidant conforms to the structure of Formula (II)

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wherein R_4 , R_5 , R_8 , and R_7 are individually selected from the group consisting of hydrogen and C_{1-30} alkyl groups.

25. (Currently Amended) The <u>composition</u> additive of claim 19 wherein said lactone-based antioxidant conforms to the structure of Formula (II)

(II)

wherein R_4 , R_5 , R_8 , and R_7 are individually selected from the group consisting of hydrogen and C_{1-30} alkyl groups.

26. (Currently Amended) The <u>composition</u> additive of claim 20 wherein said lactone-based antioxidant conforms to the structure of Formula (II)

(II)

wherein R_4 , R_5 , R_6 , and R_7 are individually selected from the group consisting of hydrogen and C_{1-30} alkyl groups.

27. (Currently Amended) The <u>composition</u> additive of claim 1 wherein the secondary phenylamine conforms to the structure of Formula (IV)

(IV)

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wherein R_9 and R_{10} are individually selected from the group consisting of hydrogen, groups conforming to the formula $C_xH_yO_z$, where x, y, and z are from 0 to 30, and halogens.

28. (Currently Amended) The <u>composition</u> additive of claim 19 wherein the secondary phenylamine conforms to the structure of Formula (IV)

(IV)

$$R_9$$
 R_{10}

wherein R_9 and R_{10} are individually selected from the group consisting of hydrogen, groups conforming to the formula $C_xH_yO_z$, where x, y, and z are from 0 to 30, and halogens.

29. (Currently Amended) The <u>composition</u> additive of claim 20 wherein the secondary phenylamine conforms to the structure of Formula (IV)

(IV)

wherein R_9 and R_{10} are individually selected from the group consisting of hydrogen, groups conforming to the formula $C_xH_yO_z$, where x, y, and z are from 0 to 30, and halogens.

30. (Currently Amended) The <u>composition</u> additive of claim 1 wherein the hindered phenol conforms to the structure of Formula (III)

(III)

wherein R_8 is selected from the group consisting of hydrogen, groups conforming to the formula $C_xH_yO_z$, where x, y, and z are from 0 to 30, and halogens.

31. (Currently Amended) The <u>composition</u> additive of claim 19 wherein the hindered phenol conforms to the structure of Formula (III)

(III)

wherein R_B is selected from the group consisting of hydrogen, groups conforming to the formula $C_xH_yO_z$, where x, y, and z are from 0 to 30, and halogens.

32. (Currently Amended) The <u>composition</u> additive of claim 20 wherein the hindered phenol conforms to the structure of Formula (III)

(III)

wherein R_8 is selected from the group consisting of hydrogen, groups conforming to the formula $C_xH_yO_{z_1}$ where x, y, and z are from 0 to 30, and halogens.

- 33. (Currently Amended) A composition comprising:
- (a) a polyol,
- (b) a benzotriazole,
- (c) a lactone-based antioxidant having a 3-phenylbenzofuran-2-one structure, and
- (d) a fourth component selected from the group consisting of secondary phenylamines, hindered phenols, and combinations thereof, and
 - (e) an isocyanate.
- 34. (Currently Amended) The composition of claim 33, wherein the composition comprises:
 - (a) the polyol,
- (b) the benzotriazole in an amount of about 0.5 to about 6.0 parts per hundred parts of the polyol (php),
- (c) the lactone-based antioxidant in an amount of about 0.05 to about 1.0 php, and
 - (d) a fourth component selected from the group consisting of:
 - (i) about 0.05 to about 1.0 php of a secondary phenylamine,
 - (ii) about 0.05 to about 2.0 php of a hindered phenol, and
 - (iii) a combination of about 0.05 to about 1.0 php of a secondary phenylamine and about 0.05 to about 2.0 php of a hindered phenol, and
 - (e) an isocyanate.